

U.S. ENVIRONMENTAL PROTECTION AGENCY  
POLLUTION/SITUATION REPORT  
Wilcox Oil Company - Removal Polrep  
Initial and Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
Region VI

**Subject:** POLREP #1  
Initial/Final  
Wilcox Oil Company  
06GG  
Bristow, OK  
Latitude: 35.8408040 Longitude: -96.3801930

**To:** R6 PolRep OK, Response and Prevention Branch  
Chris Petersen, Superfund Division  
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**From:** Mark Hayes, Environmental Engineer, OSC

**Date:** 8/14/2014

**Reporting Period:** 8/05/2014-8/13/2014

## 1. Introduction

### 1.1 Background

<b>Site Number:</b>	06GG	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	7/10/2014
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Time-Critical
<b>Response Lead:</b>	EPA	<b>Incident Category:</b>	Removal Action
<b>NPL Status:</b>	NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	8/5/2014	<b>Start Date:</b>	8/5/2014
<b>Demob Date:</b>	8/9/2014	<b>Completion Date:</b>	8/13/2014
<b>CERCLIS ID:</b>	OK0001011917	<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

#### 1.1.1 Incident Category

Time-Critical

#### 1.1.2 Site Description

Wilcox Oil Company is an inactive and abandoned oil refinery located in Bristow, Creek County, Oklahoma. The site consists of contaminated areas and surface water bodies due to the release from the former Lorraine and former Wilcox Refineries. Wilcox Oil Company operated as a crude oil refinery from the 1920s until 1963. Wilcox Oil Company expanded its operations when it acquired the Lorraine Refinery in 1937. The main components of the facility consisted of a skimming plant, cracking unit, storage tanks, and redistillation battery with a vapor recovery system and treatment equipment. Currently, a church and

several residents are located within the former refinery boundaries, half of which utilize ground water from private wells. Homes are located in areas of former waste operations.

#### **1.1.2.1 Location**

The Wilcox Refinery Site is located northeast of the City of Bristow, Creek County, Oklahoma at West 221st Street South/Refinery Road, 0.35 mile east of US Highway 66, 35.840804N, 96.380193W.

#### **1.1.2.2 Description of Threat**

A community meeting was held by ODEQ and EPA on 30 January 2014 where residents expressed concerns about public access to oily sludge areas. Also during the meeting the First Assembly of God Church Pastor informed ODEQ and EPA of his concerns pertaining to an abandoned drinking water well potentially contaminated with oily sludge. The results of an Expanded Site Inspection (ESI) by ODEQ in June 2011 indicated high concentrations of Lead and Polycyclic Aromatic Hydrocarbons (PAH) in oily sludge waste at numerous locations on-site. Groundwater sampling results from the ESI indicated elevated concentrations of Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) compounds at several locations on-site.

#### **1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results**

EPA tasked ODEQ to complete a Site inspection in March 2009. ODEQ completed a Preliminary Assessment of the Site in August 2009. ODEQ completed an ESI in June 2011. The results of an ESI indicated high concentrations of Lead and Polycyclic Aromatic Hydrocarbons (PAH) in oily sludge waste at numerous location on-site. Groundwater sampling results from the ESI indicated elevated concentrations of Benzene, Toluene, Ethyl Benzene, and Xylenes (BTEX) compounds at several locations on-site. The assessment activities conducted at the site consisted mostly of surface soil and sediment sampling. The Site was included on the EPA National Priorities List (NPL) 12 December 2013. In addition, oily sludge leaching from the ground was observed during a site assessment conducted by the EPA OSC on 20 March 2014.

## **2. Current Activities**

### **2.1 Operations Section**

#### **2.1.1 Narrative**

ODEQ requested the assistance of EPA in securing contaminated areas of the Site by installing fencing, posting warning signs, and securing an abandoned drinking water well with a cap.

#### **2.1.2 Response Actions to Date**

On 31 July 2014 the EPA OSC, ODEQ, and First Assembly of God Church representatives conducted a site walk. During that time EPA Emergency Rapid Response Service (ERRS) contractor installed a cap with key access on to an abandoned 4" drinking water well located near the church. EPA and ODEQ conducted a site walk of an oily sludge contaminated area behind a residential home. .

On 5 August 2014 ERRS mobilized to the residential property to initiate the installation of fencing with signage around the oily sludge contaminated area. ERRS installed 690 linear feet of fencing. ERRS completed work and demobilized from the Site on 9 August 2014. EPA met with the residential property owner and conducted a final site walk of the installed fencing and signage on 13 August 2014.

#### **2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)**

Enforcement is currently identifying and pursuing any viable PRPs. Where the PRPs are know, an effort initially shall be made, to the extent practicable, to determine whether they can and will perform the necessary removal action promptly and properly.

#### **2.1.4 Progress Metrics**

<i><b>Waste Stream</b></i>	<i><b>Medium</b></i>	<i><b>Quantity</b></i>	<i><b>Manifest #</b></i>	<i><b>Treatment</b></i>	<i><b>Disposal</b></i>

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## **2.2 Planning Section**

### **2.2.1 Anticipated Activities**

None at this time.

#### **2.2.1.1 Planned Response Activities**

Enforcement is currently identifying and pursuing any viable PRPs. Where the PRPs are known, an effort initially shall be made, to the extent practicable, to determine whether they can and will perform the necessary removal action promptly and properly.

#### **2.2.1.2 Next Steps**

Enforcement and remedial planning activities are on-going

### **2.2.2 Issues**

## **2.3 Logistics Section**

No information available at this time.

## **2.4 Finance Section**

No information available at this time.

## **2.5 Other Command Staff**

No information available at this time.

## **3. Participating Entities**

No information available at this time.

## **4. Personnel On Site**

No information available at this time.

## **5. Definition of Terms**

No information available at this time.

## **6. Additional sources of information**

No information available at this time.

## **7. Situational Reference Materials**

No information available at this time.